

SEQUENCE LISTING

<110> BAYER AG

<120> Use of VLCFAE for identifying herbicidally active compounds

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<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Arabidopsis thaliana

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<222> (1119)..(1745)

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<222> (1821)..(2438)

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178

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ggt aga tcc aac gag caa gat ctg ctc tct acc gag atc gtt aat cgt
226

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418
Ala Thr Ile Pro Val Leu Val Leu Val Phe Ser Ala Glu Val Gly Ser
70 75 80

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466
Leu Ser Arg Glu Glu Ile Trp Lys Lys Leu Trp Asp Tyr Asp Leu Ala
85 90 95

act gtt atc gga ttc ttc ggt gtc ttt gtt tta acc gct tgt gtc tac
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Thr Val Ile Gly Phe Phe Gly Val Phe Val Leu Thr Ala Cys Val Tyr
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Phe Met Ser Arg Pro Arg Ser Val Tyr Leu Ile Asp Phe Ala Cys Tyr
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Glu Ala Ser Thr Val Ile Phe Gly Ala Leu Asp Glu Leu Phe Glu Lys 195 200 205		
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Thr Arg Val Lys Pro Lys Asp Val Gly Val Leu Val Val Asn Cys Ser 210 215 220 225		
att ttc aac ccg aca ccg tcg ttg tcc gca atg gtg ata aac cat tac 1433		
Ile Phe Asn Pro Thr Pro Ser Leu Ser Ala Met Val Ile Asn His Tyr 230 235 240		
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Ser Ala Gly Ile Ile Ala Ile Asp Leu Ala Arg Asp Met Leu Gln Ser 260 265 270		
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Asn Trp Tyr Val Gly Ser Asp Lys Ser Met Val Ile Pro Asn Cys Phe 290 295 300 305		
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 370 375 380
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 1976
 Pro Leu Val Leu Pro Phe Ser Glu Gln Leu Leu Phe Phe Ala Ala Leu
 385 390 395
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 2024
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 415 420 425
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 2120
 Ser Asp Leu Ser Lys Pro Tyr Ile Pro Asp Tyr Lys Leu Ala Phe Glu
 430 435 440 445
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 2168
 His Phe Cys Phe His Ala Ala Ser Lys Val Val Leu Glu Glu Leu Gln
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 Lys Asn Leu Gly Leu Ser Glu Glu Asn Met Glu Ala Ser Arg Met Thr
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 2264
 Leu His Arg Phe Gly Asn Thr Ser Ser Ser Gly Ile Trp Tyr Glu Leu
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 2312
 Ala Tyr Met Glu Ala Lys Glu Ser Val Arg Arg Gly Asp Arg Val Trp
 495 500 505
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 2360
 Gln Ile Ala Phe Gly Ser Gly Phe Lys Cys Asn Ser Val Val Trp Lys
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 Ser Ile Phe Asn Pro Thr Pro Ser Leu Ser Ala Met Val Ile Asn His
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 Tyr Lys Met Arg Gly Asn Ile Leu Ser Tyr Asn Leu Gly Gly Met Gly
 245 250 255
 Cys Ser Ala Gly Ile Ile Ala Ile Asp Leu Ala Arg Asp Met Leu Gln
 260 265 270
 Ser Asn Pro Asn Ser Tyr Ala Val Val Val Ser Thr Glu Met Val Gly
 275 280 285
 Tyr Asn Trp Tyr Val Gly Ser Asp Lys Ser Met Val Ile Pro Asn Cys
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 Gly Leu Ser Glu Glu Asn Met Glu Ala Ser Arg Met Thr Leu His Arg
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 485 490 495
 Glu Ala Lys Glu Ser Val Arg Arg Gly Asp Arg Val Trp Gln Ile Ala
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 Phe Gly Ser Gly Phe Lys Cys Asn Ser Val Val Trp Lys Ala Met Arg
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 Lys Val Lys Lys Pro Thr Arg Asn Asn Pro Trp Val Asp Cys Ile Asn
 530 535 540

T 34 730-Foreign Countries

Arg Tyr Pro Val Pro Leu
545 550

FOOTNOTES 43350660